

# ***United States Air Force Warfare Center***

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*Testing - Tactics - Training*

## **Nellis/Creech/Nevada Test & Training Range Update 17 Sep 09**



**Colonel Dave Belote  
Commander  
99th Air Base Wing**

**This Briefing is:  
UNCLASSIFIED**

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# Overview

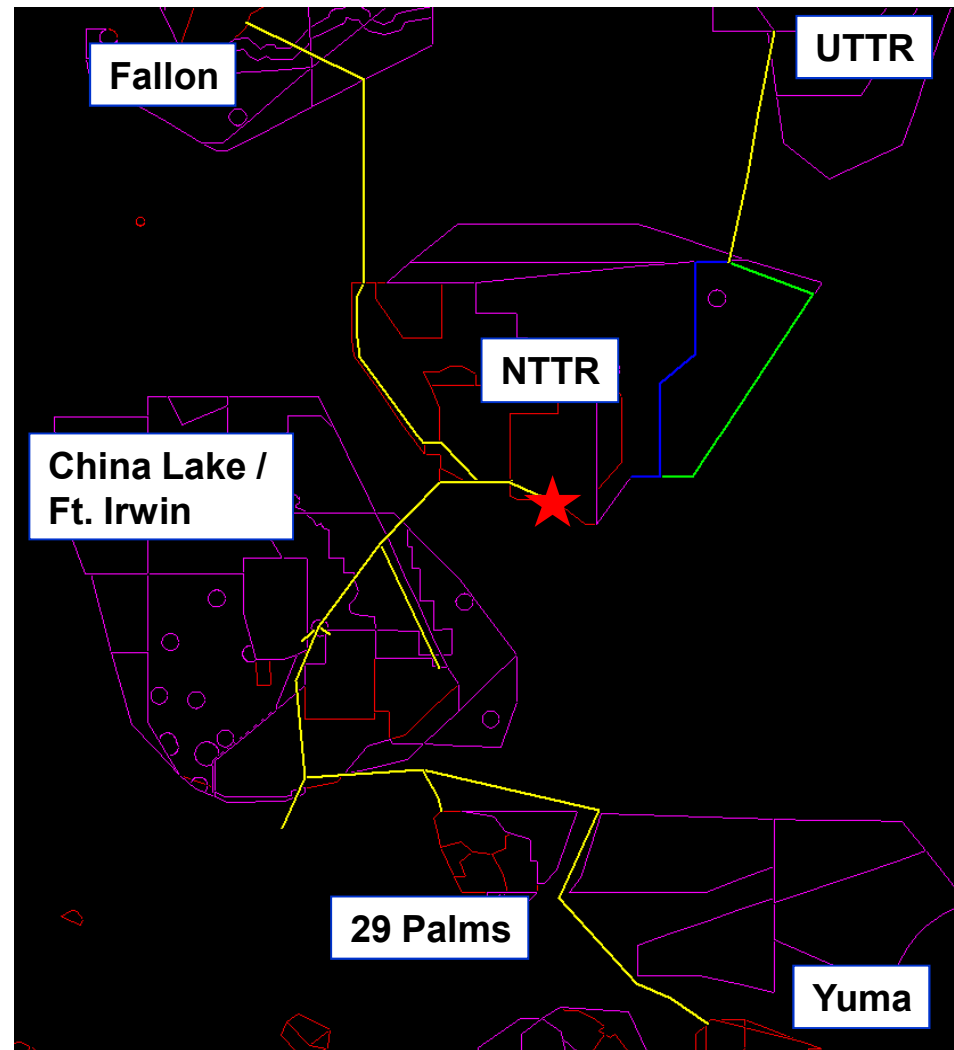
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- **New Unmanned Aerial Systems Routes**
- **Military Construction Update**
- **Installation Energy Initiatives**
- **Air Quality Initiatives**
- **Nellis Air Show**



# UAS FAA Corridor Routes

- UAS Routes from Creech AFB to:
  - Nellis Test & Training Range (NTTR)
  - Utah Test & Training Range (UTTR)
  - Fallon Range Training Complex (FRTC)
  - China Lake / Edwards (Ft. Irwin) Range Complex
  - Twenty-nine Palms Complex
  - Yuma Training Range Complex (YTRC)



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# Funded Military Construction Fiscal Years 2005-2008

FY	PROJECT TITLE	COST \$M	Complete (Est/Act)
05	UAS Maintenance Complex	\$ 27.4	Jul 08
06	UAS Ops Facilities	\$ 24.5	Apr 09
06	UAS Maint & Logistics Facilities	\$ 20.8	Sep 09
06	UAS Munitions Complex	\$ 6.9	Aug 09
06	UAS Training Facilities	\$ 7.6	Apr 09
06	F-22A LO Facility Bldg 252	\$ 9.3	Oct 07
06	F-22A Weapons School Bldg 282	\$ 11.2	Jan 08
06	Eastside Fire Rescue Station	\$ 4.9	Nov 07
06	Bio-Environmental Engineering Facility	\$ 1.9	Nov 07
07	UAS Various Facilities	\$ 26.0	Sep 09
07	UAS Various Facilities	\$ 23.9	Sep 09
07	BRAC Airfield Operations Facilities	\$ 24.7	Oct 09
07	BRAC Flight Simulator Facility	\$ 9.1	Sep 08
07	BRAC Aircraft Maintenance Shop Facilities	\$ 7.2	Nov 08
07	BRAC Aircraft Maintenance Complex	\$ 12.7	Aug 08
07	BRAC AFR Training Facility	\$ 12.1	Oct 09
08	JTAC Virtual Training Facility	\$ 3.2	Jul 10
Total		\$233.4M	

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# Funded Military Construction

## Fiscal Year 2009

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FY	PROJECT #	PROJECT TITLE	COST \$M
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### New Mission: F-35 A

RKMF 09-3005	F-35A Airfield Pavements	\$ 4.0
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### New Mission: UAS

Creach

LKTC 09-3101	UAS Add/Alter Operations Facility	\$ 10.7
LKTC 09-3103	UAS Dining Hall	\$ 7.3
LKTC 09-3108	UAS Main Gate/Sewer Transfer/Infrastructure	\$ 6.9
LKTC 09-3106	UAS Flight Simulator & Academics Facility	\$ 7.6
LKTC 09-3107	UAS Wing Headquarters Mission Support Facility	\$ 6.8

### New Mission: Aggressors

RKMF 07-3011	BRAC Airfield Pavements	\$ 7.5
RKMF 09-3016	F-16 Aggressor Maintenance Hangar/AMU	\$ 30.8
RKMF 08-3011	F-16 Aggressor Sq Ops Facility/Infrastructure	\$ 17.5

### Insert & ARRA Projects

RKMF 09-3003	Add/Alter Airfield Fire Rescue Station	\$ 9.8
RKMF 09-3002	Child Development Center	\$ 13.2

Total \$122.1M

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# Unfunded Military Construction

## Current Mission Top 20

<b>PRI</b>	<b>PROJECT #</b>	<b>PROJECT TITLE</b>	<b>COST \$M</b>
1	RKMF 10-3003	Communications Network Control Ctr	\$11.4
2	RKMF 05-3003	Maintenance Facility (F-15)	\$21.0
3	RKMF 06-3002	Consolidated Security Forces	\$14.0
4	LKTC 09-3110	Transient Dormitory (Creech AFB)	\$31.0
5	RKMF 08-3002	Dormitory (114 PN)	\$22.0
6	RKMF 10-3004	Add/Alter Green Flag Facility	\$ 6.0
7	WZVV 05-3202	Fire Station, TTR	\$12.6
8	RKMF 11-3004	Communication Support Center	\$12.0
9	WZVV 05-3201	Dining Hall, TTR	\$ 8.8
10	RKMF 05-3004	Multi-Purpose Maintenance Facility	\$29.0

Cont'd

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# Unfunded Military Construction

## Current Mission Top 20

PRI	PROJECT #	PROJECT TITLE	COST \$M
11	RKXF 11-3201	Vehicle Maintenance Facility	\$ 4.0
12	RKMF 06-3004	Red Flag Facility	\$69.0
13	RKMF 03-3901	Aircraft Explosives Cargo Parking Area	\$ 5.0
14	RKMF 10-3801	Relocate Transformers and Switchgear	\$ 5.0
15	RKMF 12-3004	Adversary Tactics Analysis Center	\$14.0
16	RKMF 12-3005	57 IAS Mission Operations Facility	\$ 9.0
17	RKXF 11-3202	High Bay RADAR Repair Facility (TPECR)	\$ 1.2
18	RKXF 11-3203	Vehicle Wash Rack Facility (TPECR)	\$ 1.2
19	WZVV 12-3201	Trim Pad, TTR	\$ 5.0
20	WZVV 12-3202	Aircraft Explosives Holding Parking Area (TTR)	\$ 5.0
Total			\$286.2M

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## NELLIS AFB, NEVADA

### COMMUNICATIONS NETWORK CONTROL CENTER

**COST: \$10,800,000**

**NELLIS PRIORITY #1**

- **Replaces existing 52 year old facility with 1,193 SM (12,800 SF) facility**
  - **Current Network Control Center (NCC) provides 54% of required space**
  - **Existing facility will not meet expanding mission**
  - **Building wide degradation**
    - **Large 150' x 3" roof crack**
    - **Crack allows water leakage, collapsed ceiling tiles, asbestos exposure**
    - **HVAC failures shutdown critical base Comm**
  - **Not fiscally prudent to renovate existing facility**
- **Impact: Water leaks shut down Network/Comm for extended periods. Degradation of combat Predator ops in CENTCOM AOR, grounding of the F-22, and potential interruption of JWICS and SIPRNET services supporting Red Flag, Weapons School, CAOC-N and Nevada TTR ops.**



*The Computer Training classroom risks damage to vital equipment. All training is disrupted during inclement weather.*



*Leakage has caused considerable damage to ceiling tiles and dangerous exposure to asbestos.*

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# Unfunded Military Construction New Mission Fiscal Year 2010

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FY	PROJECT #	PROJECT TITLE	COST \$M
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## New Mission: UAS

10	LKTC 09-3111	UAS AT/FP Security Upgrades	\$ 2.7
10		Mission Control Complex	\$22.0

## Current Mission Insert Candidate:

10	RKMF 10-3003	Communications Network Control Center	\$10.8
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Total			\$35.5M

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# Unfunded Military Construction New Mission Fiscal Year 2011

<b>FY</b>	<b>PROJECT #</b>	<b>PROJECT TITLE</b>	<b>COST \$M</b>
<b>New Mission: F-35 A</b>			
11	RKMF 09-3004	F-35A Maintenance Hangar/AMU	\$32.9
11	RKMF 10-3010	Add/Alter F-35A Flight Test Instrumentation Facility	\$ 1.9
11	RKMF 10-3007	F-35A Flight Simulator Facility	\$15.0
11	RKMF 10-3002	Add/Alter F-35A 422 Test Evaluation Sq Facility	\$ 9.0
 <b>New Mission: UAS</b>			
11	LKTC 11-3102	UAS Fire Station	\$12.8
<b>Total</b>			<b>\$71.6M</b>

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# Unfunded Military Construction New Mission Fiscal Year 2012+

<b>FY PROJECT #</b>	<b>PROJECT TITLE</b>	<b>COST \$M</b>
<b>New Mission: UAS</b>		
12+ LKTC 10-3102	UAS OSS Facility	\$ 7.1
12+ LKTC 10-3104	UAS VQ	\$ 6.7
12+ LKTC 10-3105	UAS Joint Center of Excellence	\$10.6
12+ RKMF 11-3005	Add/Alter UAS Weapons School	\$ 7.3
12+ LKTC 11-3103	Add/Alter UAS Munitions Admin	\$ 3.9
12+ LKTC 11-3104	UAS Conventional Munitions Maintenance Facility	\$ 4.3
12+ LKTC 11-3105	UAS Phase Maintenance Hangar	\$15.0
<b>New Mission: F-35 A</b>		
12+ RKMF 10-3001	Aggressor/F-35A Aircraft AGE Facility	\$22.0
12+ RKMF 10-3005	Add/Alter F-35A AME Storage Facility	\$ 5.2
12+ RKMF	Add/Alter F-35A USAFWS	\$ 6.5
12+ RKMF 10-3010	Add/Alter F-35A Engine Shop	\$ 6.0
12+ RKMF 10-3009	Add/Alter F-35A Fuel Cell Hangar	\$ 8.0
12+ RKMF 10-3012	F-35A Weapons Load Training Facility	\$15.5
12+ RKMF 10-3011	F-35A Munitions Maintenance Facilities	\$ 8.6
13+ RKMF 10-3006	F-35A Parts Store	\$12.0
13+ RKMF	F-35A AMU/hangar	\$36.0
13+ RKMF	F-35A LOLA Extension & Support	\$12.0
13+ RKMF	F-35A Airfield Pavements	\$14.0

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## Unfunded Military Construction New Mission Fiscal Year 2012+

<b>FY</b>	<b>PROJECT #</b>	<b>PROJECT TITLE</b>	<b>COST \$M</b>
<b>New Mission: Aggressors</b>			
12+	RKMF 10-3009	Add/Alter F-35A Fuel Cell Hangar	\$7.3
12+	RKMF 10-3004	Add/Alter F-16 Aggressor Green Flag Ops Facility	\$6.4
12+	RKMF 11-3002	F-16 Aggressor Airfield Pavements	\$7.5
<b>New Mission: Other</b>			
12+		Airborne RED HORSE Rigger Warehouse	\$5.2
12+		Add/Alter HH-60 General Purpose MX Facility	\$5.5
<b>Total</b>			<b>\$232.6M</b>

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# SRM Projects in ARRA

PROJECT #	PROJECT TITLE	COST \$M
RKMF 08-0068	Replace 7 H-Frame X formers, NCC Bldg 589	\$0.9
RKMF 08-0020	Repair Water main, Tyndall Ave	\$4.0
RKMF 04-0020	Repair Airfield Lighting Circuit Cables Runway	\$3.9
RKMF 09-0043	Repair Water Main, Bldg 625	\$0.7
RKMF 08-0043	MTN HVAC, Multiple Facilities	\$0.1
Total		\$9.6M

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# Military Construction Summary

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- **FUNDED:**

■ FY05-FY08	\$233.4M
■ FY09	\$122.1M
■ Total Funded	<u>\$355.5M</u>

- **UNFUNDED:**

■ FY10+ Current Mission (Top 20)	\$286.2M
■ FY10+ New Mission	\$334.3M
■ Total Unfunded	<u>\$625.3M</u>



# Installation Energy Initiatives

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- **Photovoltaic array study w/ Sandia Nat'l Labs, NV Energy, Renewable Ventures, & Nellis AFB**
  - Determine the effects of intermittent power supplies on electric grid integrity
- **NV ARNG/Nellis AFB Phase II Solar Project**
  - Met with NV ARNG to determine feasibility of a joint solar project to provide Nellis with additional solar power
- **Awaiting guidance from DOI/DOD to define scope of renewable energy projects on withdrawn lands**



# Air Quality Initiatives

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- **Air Quality Permit Compliance top priority**
- **Manage multiple operating permits**
  - **Nellis AFB**
  - **Creech AFB**
  - **Nevada Test and Training Range (NTTR)**
- **Three regulatory authorities**
  - **Federal: Environmental Protection Agency (EPA), Region IX**
  - **State: Nevada Department of Environmental Protection (NDEP)**
  - **Local: Clark County Department of Air Quality and Environmental Management (DAQEM)**





# Air Quality Initiatives

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- **Program Management Office Improvements**
  - Ongoing review of old and new programs alike
  - Consolidated record keeping in central binders
  - Created spreadsheets -- soon central database
  - Streamlining forms to ensure uniform reporting
  - Calculating rolling totals for permit compliance
  
- **Routine compliance audits across installations**
  - On-site visit conducted at least annually
  - Comprehensive program binders provided to each unit/area
  - Feedback provided to improve business practices
  - Trend analyses conducted to anticipate improvement areas

## Continuous Process Improvements

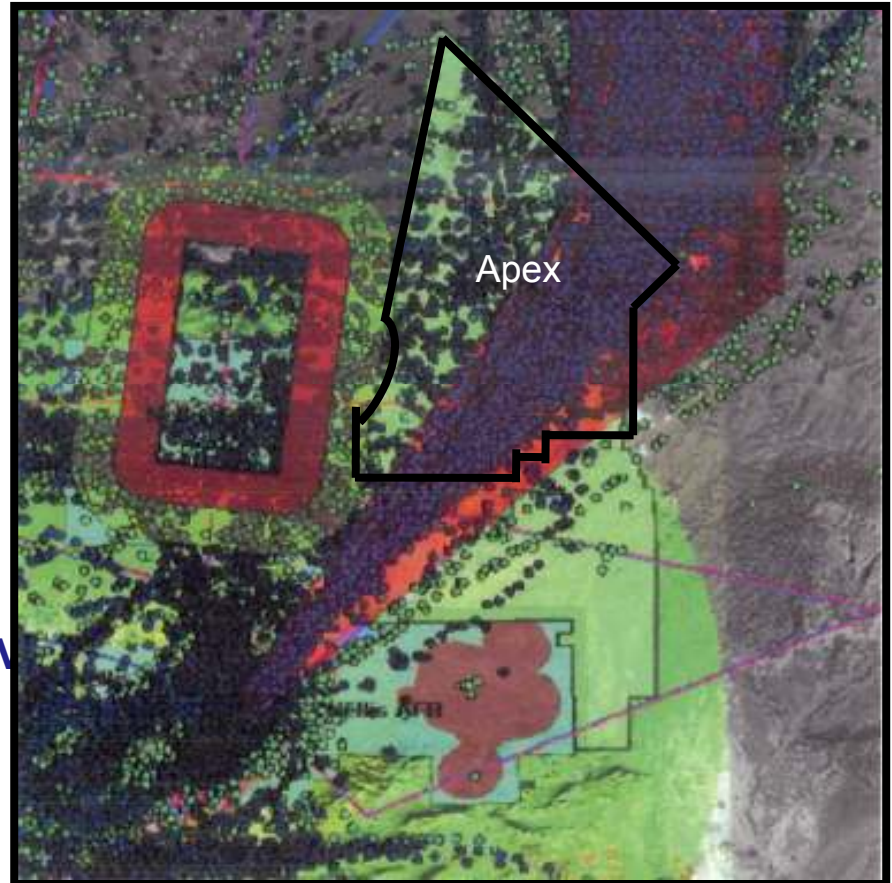
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# Apex

- **Annexation by City changes regulating venue**
  - Land granted to County for heavy industrial due to PEPCON explosion
  - Original legislation references protection of Nellis's mission
- **Goal is to keep area heavy industrial with Overlay to Title 17**
  - 5 Aug 09-overlay approved by CNLV Planning Commission
  - 16 Sep 09-overlay introduced to CNLV City Council
  - 7 Oct 09-overlay goes before CNLV City Council for approval





# Aviation Nation – Las Vegas

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**14-15 November 2009**  
**Nellis AFB Open House/Air Show**



**POC: Nellis AFB Public Affairs**  
**702-652-2750 or [99abw.pa@nellis.af.mil](mailto:99abw.pa@nellis.af.mil)**

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# Nellis Air Force Base

Questions?

